

FIG. 2

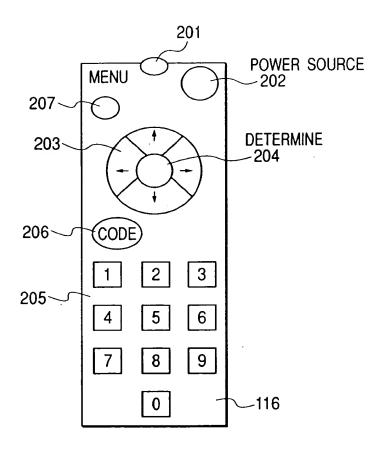
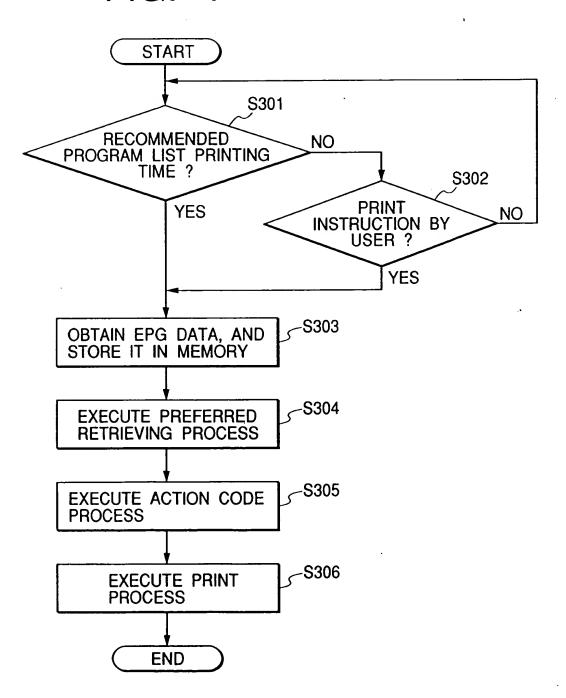


FIG. 3

		GUI SOF	ΓWARE a		
TUNING CONTROL	PROGRAM INFORMATION EXTRACTING CONTROL	OPERATION INPUT CONTROL	1394 I/F CONTROL	SCREEN GENERATION	DISPLAY SYNTHESIS CONTROL
b	С	d	е	f	g

FIG. 4



### RESERVED/RECORDED PROGRAM TABLE (256 ENTRIES)

PROGRAM NAME	TIME OF DAY	СН	PROGRAM DETAIL	CAST ETC.	SCORE	MEDIA	STATUS
EEE	xxxxxx	BS14	xxxxxx	xxxxxx	xxxxxx	VTR	RESERVED
GGG	XXXXXX	BS22	XXXXXX	XXXXXX	XXXXXX	VTR	RESERVED

## FIG. 6

### PREFERRED PROGRAM TABLE (15 ENTRIES)

PROGRAM NAME	TIME OF DAY	СН	PROGRAM DETAIL	CAST ETC.	SCORE
AAA	XXXXXX	CS121	xxxxxx	XXXXXX	xxxxxx
BBB	xxxxxx	CS130	XXXXXX	XXXXX	xxxxxx
CCC	XXXXXX	BS44	xxxxxx	XXXXX	XXXXXX

EEE	xxxxxx	BS14	xxxxxx	xxxxxx	XXXXXX
FFF	xxxxxx	CS19	xxxxxx	xxxxxx	xxxxxx
GGG	XXXXXX	BS22	XXXXXX	xxxxxx	xxxxxx

## FIG. 7

## PICTURE RECORDING PREFERRED PROGRAM TABLE (5 ENTRIES)

PROGRAM NAME	TIME OF DAY	СН	PROGRAM DETAIL	CAST ETC.	SCORE
EEE	xxxxxx	BS14	xxxxxx	xxxxx	xxxxxx
GGG	XXXXX	BS22	XXXXXX	xxxxx	xxxxxx
			<u> </u>		

JUNE 25, 1998 (TH)

RECOMMENDED PROGRAM (ACTION: PICTURE RECORDING RESERVATION)

×	$\neg$	××		1	XX			$\Box$
PROGRAM NAME: PG11 BROADCASTING DATE AND HOUR: xxxx-xxxx CH: CS008 CAST ETC.: xxxx, xxxx CONTENT: xxxxxxxxxx	CODE: 019	PROGRAM NAME: PG16 BROADCASTING DATE AND HOUR: xxxx-xxxx CH: CS008	CAST ETC.:xxxx,xxxx CONTENT:xxxxxxxxx xxxxxxxxxxxxxxxxxxxxxxxxxxx	CODE: 024	PROGRAM NAME: PG21 BROADCASTING DATE AND HOUR: xxxx-xxxx CH - CSDOR	CAST ETC.: xxxx, xxxx	CONTENT : XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX	CODE: 029
PROGRAM NAME: KKK BROADCASTING DATE AND HOUR: xxxx-xxx CH: CS008 CAST ETC.: xxxx, xxxx CONTENT: xxxxxxxxxx	CODE: 018	PROGRAM NAME: PG15 BROADCASTING DATE AND HOUR: xxxx-xxxx CH: CS008	CAST ETC.:xxxx,xxxx CONTENT:xxxxxxxxx xxxxxxxxxxxxxxxxxxxxxxxxxxx	CODE: 023	PROGRAM NAME: PG20 BROADCASTING DATE AND HOUR: XXXX-XXXX CH. CSONR	CAST ETC.: xxxx, xxxx	CONTENT: XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX	CODE: 028
PROGRAM NAME: JJJ BROADCASTING DATE AND HOUR: xxxx—xxxx CH: BS43 CAST ETC::xxxx, xxxx CONTENT: xxxxxxxxxx	CODE:017	PROGRAM NAME : PG14 BROADCASTING DATE AND HOUR : xxxx – xxxx CH : CS008	CAST ETC.:xxxx,xxxx CONTENT:xxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxx	CODE: 022	PROGRAM NAME: PG19 BROADCASTING DATE AND HOUR: xxxx-xxxx	CAST ETC.: xxxx, xxxx	CONTENT: XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX	CODE: 027
PROGRAM NAME: III BROADCASTING DATE AND HOUR: XXX-XXX CH: CS232 CAST ETC:: XXX, XXX CONTENT: XXXXXXXXX XXXXXXXXX	CODE: 016	PROGRAM NAME: PG13 BROADCASTING DATE AND HOUR: xxxx-xxxx CH: CS008	CAST ETC.: xxxx, xxxx CONTENT: xxxxxxxxx xxxxxxxxxx	CODE: 021	PROGRAM NAME: PG17 PROGRAM NAME: PG18 BROADCASTING DATE AND HOUR: xxxx-xxxx BROADCASTING DATE AND HOUR: xxxx-xxxx	CAST ETC.:xxxx,xxxx	CONTENT: XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX	CODE: 026
PROGRAM NAME: HHH BROADCASTING DATE AND HOUR: xxxx-xxx CH: CS008 CAST ETC: xxxx, xxxx CONTENT: xxxxxxxxx	CODE:015	PROGRAM NAME: PG12 BROADCASTING DATE AND HOUR: XXXX—XXXX CH: CS008	CAST ETC.: xxxx, xxx CONTENT: xxxxxxxx	CODE: 020	PROGRAM NAME: PG17 BROADCASTING DATE AND HOUR: xxxx-xxxx	CAST ETC.: xxxx, xxxx	CONTENT: XXXXXXXXX	CODE: 025

# RECORDED PROGRAM (ACTION: REPRODUCTION)

PROGRAM NAME: PG1	PROGRAM NAME: PG2	PROGRAM NAME: EEE	PROGRAM NAME: GGG	PROGRAM NAME: QQQ
BROADCASTING DATE AND HOUR: XXXX—XXXX	ROADCASTING DATE AND HOUR: XXXX—XXXX   BROADCASTING DATE AND HOUR: XXXXX—XXXX   BROADC	BROADCASTING DATE AND HOUR: xxxx-xxxx	BROADCASTING DATE AND HOUR: xxxx-xxxx	BROADCASTING DATE AND HOUR: xxxx—xxxx
CH: 8S14	CH: BS22	CH: BS14	CH: 8S22	CH: BS23
CAST ETC.: xxxx, xxxx	CAST ETC.: xxxx, xxxx	CAST ETC.: xxxx, xxxx	CAST ETC.:xxxx, xxxx	CAST ETC.: xxxx, xxxx
CONTENT: xxxxxxxx	CONTENT: xxxxxxxx	CONTENT: xxxxxxxx	CONTENT: xxxxxxxxx	CONTENT: xxxxxxxx
XXXXXXXXX	XXXXXXXX	XXXXXXXXX	XXXXXXXXX	XXXXXXXXX
CODE: 030	CODE: 031	CODE: 032	CODE: 033	CODE: 034

## F1G. 9

PRINT RESULT MANAGING TABLE

PRINT GENERATION S S S 2  $\sim$  $\sim$ MEDIA 1111 1111 ---SCORE XXXXX CAST ETC. PROGRAM DETAIL XXXXX **CS008 CS232 CS130 CS121 BS44 BS14 BS19 BS22 BS43 BS14 BS22 BS23** 공 TIME OF XXXXX PROGRAM NAME 999 999 g AAA 888 ပ္ပ EEE EE 圭 出 III 3 PICTURE RECORDING RESERVATION PICTURE RECORDING PICTURE RECORDING RESERVATION PICTURE RECORDING PICTURE RECORDING RESERVATION REPRODUCTION REPRODUCTION REPRODUCTION ACTION RESERVATION RESERVATION 012 013 914 015 916 033 8 902 017 88 034 255 8

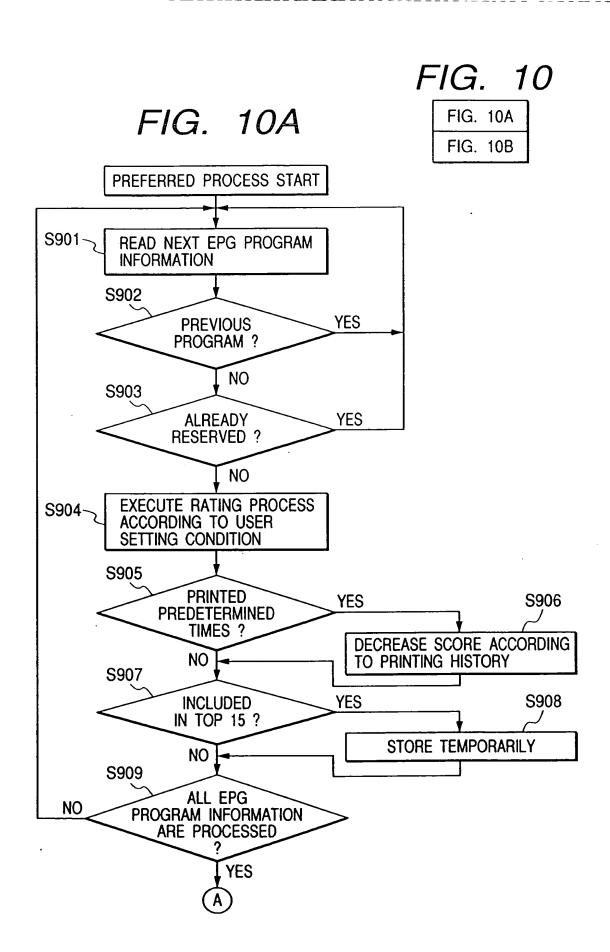
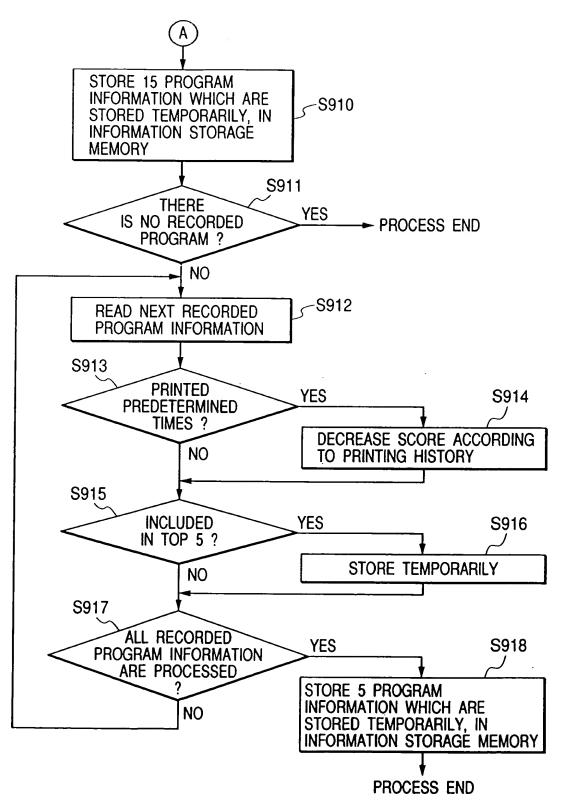
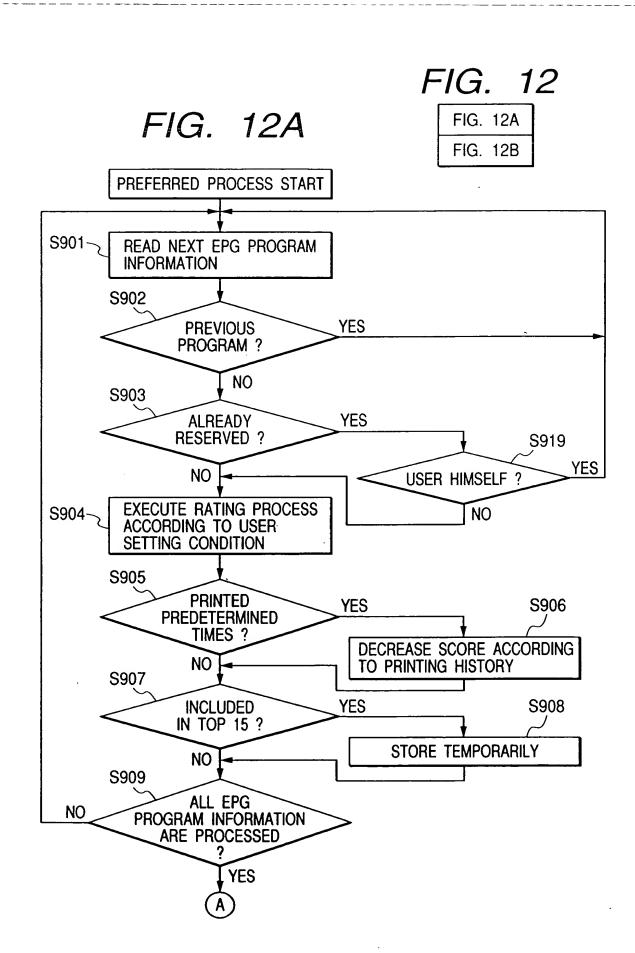


FIG. 10B

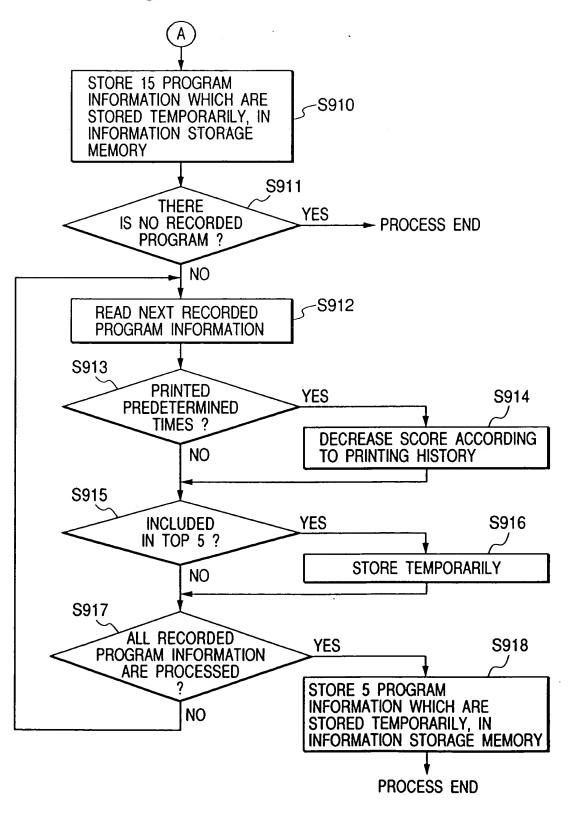


PICTURE RECORDING OF PROGRAM "EEE" HAS BEEN RESERVED

BROAD CASTING DATE AND HOUR: xxx-xxx



### FIG. 12B



JUNE 25, 1998 (TH)

FOR USER 1

RECOMMENDED PROGRAM (ACTION: PICTURE RECORDING RESERVATION)

# RECORDED PROGRAM (ACTION: REPRODUCTION)

PROGRAM	PROGRAM NAME: PG1	PROGRAM NAME: PG2	PROGRAM NAME: EEE	PROGRAM NAME: GGG		PROGRAM NAME: QQQ
BROADCAST	TING DATE AND HOUR: XXXX—XXXX		BROADCASTING DATE AND HOUR : xxxx-xxxx	BROADCASTING DATE AND HOU	JR : xxxx – xxxx	BROADCASTING DATE AND HOUR: xxxx-
CH: BS14		CH: BS22	CH: BS14	CH:BS22		CH: BS23
CAST ETC.	AST ETC.: xxxx, xxxx	CAST ETC.: xxxx, xxxx	CAST ETC.: xxxx, xxxx	CAST ETC.: xxxx, xxxx	•	CAST ETC. : xxxx, xxxx
CONTENT	SONTENT: XXXXXXXXX	CONTENT: xxxxxxxx	CONTENT: xxxxxxxxx	CONTENT: xxxxxxxx		CONTENT: xxxxxxxx
_	XXXXXXXX	XXXXXXXX	XXXXXXXXX	XXXXXXXXX		XXXXXXXX
	CODE: 030	CODE: 031	CODE: 032	CODE: 033	33	CODE: 034

FIG. 14A

PREFERRED	PREFERRED PROGRAM TABLE (15 ENTRIES)	TABLE (15	ENTRIES)		,	
PROGRAM NAME	TIME OF Day	ᆼ	PROGRAM DETAIL	CAST ETC.	SCORE	USE
AAA	XXXXXX	CS121	xxxxxx	xxxxxx	xxxxxx	•
888	XXXXXX	CS130	xxxxxx	XXXXXX	xxxxxx	-
222	XXXXXX	BS44	XXXXXX	XXXXXX	XXXXXX	1
					,	

			•			
333	xxxxxx	BS14	xxxxxx	XXXXXX	xxxxxx	-
FFF	xxxxxx	CS19	xxxxxx	xxxxxx	xxxxxx	-
999	XXXXXX	BS22	XXXXXX	XXXXXX	XXXXXX	<b>~</b>

FIG. 14B

	USER	1	-		
NTRIES)	SCORE	XXXXXX	xxxxxx		
PICTURE RECORDING PREFERRED PROGRAM TABLE (5 ENTRIES)	CAST ETC. SCORE	XXXXXX	XXXXXX		
PROGRAM	PROGRAM DETAIL	XXXXXX	XXXXXX		
PREFERRED	СН	BS14	BS22		
<b>ECORDING F</b>	TIME OF Day	XXXXXX	XXXXXX		
PICTURE RI	PROGRAM TIME OF NAME DAY	EEE	999		

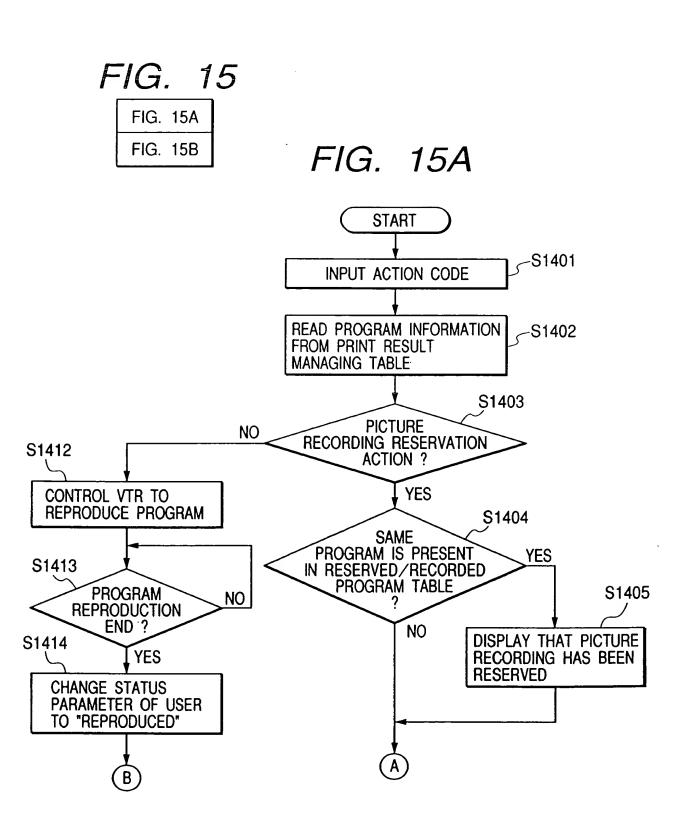
## FIG. 14C

USER N N N N S PRINT GENERATION  $\sim$ S  $\sim$  $\sim$ S  $\alpha$ MEDIA 1 1 111 1 1 1111 1111 1111 1111 SCORE XXXXX CASI ETC. PROGRAM DETAIL XXXXX ·CS130 **CS008 CS232 CS121 BS44 BS14 BS19 BS43 BS14 BS22 BS22 BS23** 픙 ᆼ XXXXX TIME ( Day PROGRAM NAME 999 AAA 888 ပ္ပ 풒 999 g EE EE 拦  $\exists$ PRINT RESULT MANAGING TABLE Ш PICTURE RECORDING RESERVATION REPRODUCTION REPRODUCTION REPRODUCTION **ACTION** CODE 93 94 015 016 8 912 034 255 017 88 සි 905 8

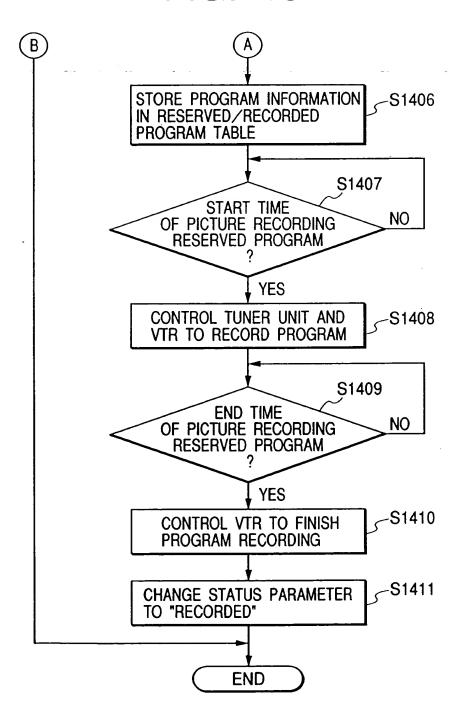
## FIG. 14D

RESERVED/RECORDED PROGRAM TABLE (256 ENTRIES)

PROGRAM NAME	TIME OF DAY	СН	PROGRAM DETAIL	CAST ETC. SCORE	SCORE	MEDIA	USER	STATUS
EEE	xxxxxx	BS14	xxxxxx	xxxxxx	xxxxxx	VTR	-	RESERVED
EEE	xxxxxx	BS14	xxxxxx	xxxxxx	xxxxxx	VTR	က	RESERVED
999	xxxxxx	BS22	xxxxxx	xxxxxx	xxxxxx	VTR	1	RECORDED
999	XXXXXX	BS22	XXXXXX	xxxxxx	XXXXXX	VTR	2	RECORDED
HHH	XXXXXX	CS18	xxxxxx	XXXXXX	XXXXXX	VTR	2	REPRODUCED
HHH	XXXXXX	CS18 .	xxxxxx	xxxxxx	XXXXXX	VTR	3	RECORDED



## FIG. 15B



PICTURE RECORDING OF PROGRAM "GGG" HAS BEEN ALREADY RESERVED

## FIG. 17A

·PLEASE MOVE CURSOR TO RECO YOU WANT TO SET, AND DEPRES	
GENERAL INDEX  1701 GENRE  CAST  CHANNEL  TIME  1702 DETERMINE	EVERY DAY 6:00  SHOW-BIZZY NEWS DRAMA * FAVORITE 50 FOREIGN MOVIE * FAVORITE 100  EVERY DAY 17:00 VARIETY * TALENT 00 SPORTS * GENERAL NEWS * ECONOMY

## FIG. 17B

PLEASE SET DATE AND TIME TO PRINT GENERAL INDEX ▼ PROGRAM LIST  1704	
✓ EVERY DAY 6 → HOUR 00 → MINUTE	
— HOUR — ✓ MINUTE	į
✓ EVERY SUN ♥ DAY 21 ♥ HOUR 00 ♥ MINUTE  - ♥ DAY - ♥ HOUR - ♥ MINUTE	
1707 RESET BACK DETERMINE 170	)2

## FIG. 17C

						170	3
	• [	PLEASE SE PROGRAM	ELECT YOUR LIST TO REG	FAVORITE(S) <sup>-</sup> SISTER	to prepari	E (GENERAL IN	IDEX ▼
		NEWS	GENERAL SHOW- BIZZY	☐ POLITICS ☐ SPORTS	☐ ECONOMY	☐ SOCIETY ☐ CORPORATION	DETAIL
		DRAMA	GENERAL SUMURAI DRAMAS	☐ CONTINUOUS ☐ TRENDY	□ SINGLE □ COME	SUSPENSE LOVE- ROMANCE	DETAIL
1708		FOREIGN MOVIE	GENERAL LOVE- ROMANCE	FOREIGN MOVIE	JAPANESE MOVIE  SUMURAI DRAMAS	☐ ACTION ☐ COMEDY	DETAIL
1709		SELECTED	FAVORITE(S) IS	SET IN EVERY	DAY 6:00 ▼	PROGRAM LIST 1707 BACK DET	1702 S ERMINE
				1700			

## FIG. 18A

## JUNE 29, 1998 (SN) 21:00 THIS WEEK RECOMMENDED PROGRAM (GENERAL INDEX) DRAMA OOO FOREIGN XXXX DRAMA A A A A SPORTS OXXX DRAMA XXAA PICTURE RECORDING RESERVATION: 013 VIEW RESERVATION: 013

## FIG. 18B